

AMENDMENTS TO THE SPECIFICATION**In the Specification:**

Please amend the paragraph beginning on Page 9 (line 6) as follows:

FIG. 7 represents a system showing four solutions, each in a different container. The complete system of tissue, ultrasound generator, transducer, sensors and CPU can be moved from one container to the next. This is preferably controlled by a robotic system which is not shown, generally, in FIG. 7.

Please amend the paragraph beginning on Page 29 (line 8) as follows:

In this system, illustrated in FIG. 7 the tissue sample as well as the transducer and sensors are moved from one reaction chamber to the next. To fix a tissue sample, the tissue, transducer and sensors are all placed into a first reaction chamber containing fixative. After treatment with ultrasound in the fixative, a robotic system removes the tissue sample, transducer and sensors and moves them all to the next reaction chamber containing ethanol. After treatment with ultrasound in the ethanol is complete, the robotic system moves the tissue, transducer and sensors to a reaction chamber containing xylene. After treatment is complete in the xylene, the robotic system moves the tissue into a reaction chamber containing paraffin at 60°C. The CPU is programmed to control the ultrasound generator for each of these steps. Once the tissue is imbedded with paraffin, the fixed tissue is robotically removed from the reaction chamber and surrounded with more paraffin to create a paraffin block. The CPU may be programmed to control the robotic system.